

XP-002215125

AN - 1994-024345 [03]

AP - SU19904837012 19900425

CPY - ISHK-I

DC - S03

FS - EPI

IC - G01N27/02

IN - ISHKOV A P

MC - S03-E02D

PA - (ISHK-I) ISHKOV A P

PN - SU1784898 A1 19921230 DW199403 G01N27/02 003pp

PR - SU19904837012 19900425

XIC - G01N-027/02

XP - N1994-018877 /

AB - SU1784898 A conductance meter is immersed in test liq. until submersion of an external electrode (2) and, under the action of voltage applied from a measuring circuit through current terminals (5,6), an electric field is formed between the internal and external electrodes (1,2), which forms free electrical charges of the liq. in the inter-electrode space. The charges move to the corresp. electrode according to their own sign, causing formation of conductance current.

- The conductance current is recorded by the measuring circuit and its magnitude characterises the properties of the test liq. during a fixed form of the sensor, in particular the overall salt compsn. The resistance of the sensor is inversely proportional to the conductivity of the test liq.
- USE/ADVANTAGE - Express analysis of overall salinity of ground water in shafts. Better reliability and accuracy of measurement. Bul. 48/30.12.92
- (Dwg.1/1)

IW - CONDUCTING METER ELECTROCHEMICAL ANALYSE MATERIAL SPHERE INNER OUTER ELECTRODE MEASURE CIRCUIT MEASURE CONDUCTING CURRENT CHARACTERISTIC SALINE

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INW - ISHKOV A P

NC - 001

OPD - 1990-04-25

ORD - 1992-12-30

PAW - (ISHK-I) ISHKOV A P

TI - Conductance meter for electrochemical analysis of materials - has spherical inner and outer electrodes and uses measuring circuit to measure conductance current characterising salinity